

Set forth below is a clean copy of the pending claims as amended.

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1 1. (Amended) A voice dialing system for use with the
2 Internet, the system comprising:
3 a data storage device for storing voice dialing
4 subscriber records, at least one of said voice dialing
5 subscriber records including a plurality of names, a
6 telephone number being associated with each of said
7 names, and a corporate dialer identifier which identifies
8 a corporate dialer to be used in the event that a name
9 included in the subscriber's record is not detected in
10 speech received in regard to a voice dialing call;
11 a first computer system for coupling a voice
12 dialing subscriber to the Internet;
13 a second computer system coupled to the
14 Internet, the second computer system including means for
15 updating a voice dialing subscriber record in response to
16 voice dialing information received from the subscriber
17 via the Internet;
18 a telephone switch; and
19 means for generating a telephone number
20 corresponding to speech coupled to the telephone switch,
21 the second computer system, and the data storage device.

1 2. The voice dialing system of claim 1, wherein the
2 voice dialing information received from the subscriber
3 via the Internet is text information including the name
4 of a party and a telephone number corresponding to the
5 named party.

1 3. The voice dialing system of claim 2, further
2 comprising:

3 means for generating a speaker independent
4 speech recognition model from the name of the party
5 included in the received text information.

1 4. The voice dialing system of claim 3, wherein the
2 second computer system, means for generating a telephone
3 number, and means for generating a speaker independent
4 speech recognition are included in an intelligent
5 peripheral device.

1 5. The voice dialing system of claim 4,
2 wherein intelligent peripheral device further
3 includes said data storage device, the system further
4 comprising:

5 an integrated service control point for storing
6 voice dialing subscriber information, the integrated
7 service control point including call processing records,
8 the call processing record of a voice dialing service
9 subscriber indicating the peripheral device where the
10 subscriber's voice dialing record is stored.

1 6. The voice dialing system of claim 5,
2 wherein the telephone switch includes means for
3 contacting the integrated service control point in
4 response to a signal received from the subscriber
5 indicative of a desire to initiate a voice dialing
6 operation.

1 7. The voice dialing system of claim 6,

2 wherein the integrated service control point
3 includes means for instructing the telephone switch to
4 establish an audio connection between the subscriber and
5 the intelligent peripheral device.

1 8. The voice dialing system of claim 3, further
2 comprising:

3 means for storing generated speaker independent
4 speech recognition models in the subscriber record with
5 the text information from which the models are generated.

1 9. The voice dialing system of claim 3, wherein the
2 subscriber record includes a plurality of telephone
3 numbers associated with a name of a party or individual,
4 a telephone number identifier being associated with each
5 one of said plurality of telephone numbers.

1 10. The voice dialing system of claim 9, wherein at
2 least one telephone number identifier is the name of a
3 location.

1 11. The voice dialing system of claim 9, wherein the
2 subscriber record further includes:
3 a nick-name associated with said plurality of
4 telephone numbers.

1 12. The voice dialing system of claim 11, wherein the
2 subscriber record further includes:
3 a personal identification number used for
4 verifying the identity of the subscriber when the

5 subscriber attempts to access the information in the
6 subscriber record via the Internet.

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2 ^{B1} 13. (Amended) The voice dialing system of claim 12,
3 wherein the subscriber record further includes:
4 at least two different location identifiers
5 associated with a name in said subscriber record.

1 14. The voice dialing system of claim 10, wherein the
2 data storage device, the second computer system, and said
3 means for generating a telephone number are included in
4 an intelligent peripheral device coupled to the telephone
5 switch.

1 15. The voice dialing system of claim 14, further
2 comprising:
3 an integrated service control point coupled to
4 the telephone switch, the integrated service control
5 point including a voice dialing service subscriber call
6 processing record, the call processing record including
7 information identifying said intelligent peripheral
8 device which includes the subscriber's voice dialing
9 record.

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2 ^{B1} 16. (Amended) A method of implementing a voice dialer,
3 comprising:
4 receiving first text corresponding to a first
5 name via the Internet;
6 generating a first speaker independent speech
7 recognition model from said first text;

7 storing the first speaker independent speech
8 recognition model in a storage device as part of a voice
9 dialing subscriber record, said voice dialing subscriber
10 record including a plurality of names, at least one
11 telephone number associated with each name, and a
12 corporate dialer identifier which identifies a corporate
13 dialer to be used in the event that a name in the
14 subscriber record is not detected as part of a voice
15 dialing operation in speech received from a user of said
16 subscriber record; and
17 associating, in the storage device, a first
18 telephone number with the first speaker independent
19 speech recognition model.

1 17. The method of claim 16, further comprising:
2 entering the first text into a computer system;
3 and
4 operating the computer system to transmit, via
5 the Internet, the first text to a speech recognition
6 model training device used to generate the first speaker
7 independent speech recognition model.

1 18. The method of claim 17, wherein the step of
2 operating the computer system to transmit the first text
3 includes the step of:
4 transmitting the first text over the Internet
5 to the speech recognition model training device.

1 19. The method of claim 18, wherein step of generating a
2 first speaker independent speech recognition model
3 includes:

4 operating the speech recognition model training
5 device to perform a text to phoneme conversion operation
6 on the first text.

1 20. The method of claim 18, further comprising the step
2 of:

3 generating a second speaker independent speech
4 recognition model from second text corresponding to a
5 second name, the second name being a nick-name of a party
6 or individual identified by the first name;

7 storing the second speaker independent speech
8 recognition model in the storage device, the second
9 speaker independent speech recognition model being
10 associated with the first telephone number.

1 21. The method of claim 20, further comprising:

2 entering the second text into the computer
3 system; and

4 operating the computer system to transmit the
5 second text to the speech recognition model training
6 device via the Internet.

1 22. The method of claim 21, further comprising the step
2 of:

3 receiving a first text telephone number
4 identifier to be associated with the first telephone
5 number; and

6 associating, in the storage device, the first
7 text telephone number identifier with the first telephone
8 number.

1 23. The method of claim 22, further comprising the step
2 of:

3 receiving a second telephone number
4 corresponding to the first name and a second text
5 telephone number identifier, the second text telephone
6 number identifier being associated with the second
7 telephone number; and

8 storing the second text telephone number
9 identifier and second telephone number in the storage
10 device in association with the first name.

1 24. The method of claim 23, wherein the first and second
2 text telephone number identifiers are names of locations.

1 25. The method of claim 23, wherein the speech
2 recognition model training device is included in an
3 intelligent peripheral device coupled to a telephone
4 switch, the method further comprising:

5 entering the second telephone number and the
6 second text telephone number identifier into the computer
7 system; and

8 operating the computer system to transmit the
9 second telephone number and the second text telephone
10 number identifier to the intelligent peripheral device
11 via the Internet.

1 26. The method of claim 25, wherein prior to entering
2 the first telephone number into the computer system, the
3 method further comprises the steps of;

4 accessing the intelligent peripheral device
5 via the Internet to retrieve voice dialing record

6 information corresponding to a user of the computer
7 system;
8 displaying the voice dialing record information
9 on a display device included in the computer system; and
10 modifying at least some of the displayed
11 information.

1 27. The method of claim 25, wherein the step of
2 accessing the intelligent peripheral device includes the
3 steps of:
4 providing user identification information and a
5 personal identification number to the intelligent
6 peripheral device via the Internet.

1 28. The method of claim 27, wherein the personal
2 identification number is a telephone number associated
3 with the user of the computer system.

1 29. The method of claim 28, further comprising the step
2 of:
3 supplying to the voice dialing system a mobile
4 telephone number and an additional telephone number which
5 may be used by the voice dialing service subscriber; and
6 storing the telephone number information in the
7 storage device.

1 30. The method of claim 29, further comprising the step
2 of:
3 using the telephone switch to establish an
4 audio connection between the voice dialing service
5 subscriber and the intelligent peripheral device;

6 operating the intelligent peripheral device to
7 receive speech from the voice dialing service subscriber;
8 operating the intelligent peripheral device to
9 perform a speaker independent using said first and second
10 speech recognition models to identify a name in the
11 received speech.

507
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1 31. (Amended) A digital data storage media, comprising:
2 a first voice dialing record corresponding to a
3 first voice dialing service subscriber, the first voice
4 dialing record including:
5 a first subscriber identifier
6 associated with a voice dialing service
7 subscriber; and
8 a first calling entry, the first
9 calling entry including first text
10 corresponding to a first name, a first speaker
11 independent speech recognition model for
12 recognizing speech corresponding to said first
13 name; a first telephone number associated with
14 said first name and a first telephone number
15 identifier associated with said first telephone
16 number, and
17 a corporate dialer identifier which
18 identifies a corporate dialer to be used in the
19 event that a name in the first voice dialing
20 record is not detected as part of a voice
21 dialing operation in speech received from a
22 user of said subscriber record.

1 32. The digital data storage media of claim 31, wherein
2 the first calling entry further includes:
3 a second telephone number associated with said
4 first name and a second telephone number identifier
5 associated with said second telephone number.

1 33. The digital data storage media of claim 32, wherein
2 the first calling entry further includes:
3 a first nick-name associated with said first
4 and second telephone numbers; and
5 a second speaker independent speech recognition
6 model for recognizing speech corresponding to said first
7 nick-name.

1 34. The digital data storage media of claim 32, wherein
2 the first and second telephone number identifiers are
3 names of locations and wherein the first subscriber
4 identifier is a telephone number associated with the
5 first subscriber.

1 35. The digital data storage media of claim 33, wherein
2 the first calling entry further includes:
3 a second calling entry, the second
4 calling entry including third text
5 corresponding to a second name, a third speaker
6 independent speech recognition model for
7 recognizing speech corresponding to said second
8 name; a third telephone number associated with
9 said second name and a third telephone number
10 identifier associated with said third telephone
11 number.

1 36. The digital data storage media of claim 35, further
2 comprising:

3 a second voice dialing record
4 corresponding to a second voice dialing service
5 subscriber, the second voice dialing record including:
6 a second subscriber identifier; and
7 a third calling entry, the third
8 calling entry including third text
9 corresponding to a third name, a third speaker
10 independent speech recognition model for
11 recognizing speech corresponding to said third
12 name; a third telephone number associated with
13 said third name and a third telephone number
14 identifier associated with said third telephone
15 number.

1 37. The digital data storage media of claim 35,
2 wherein the first voice dialing record further
3 includes:

4 a first mobile telephone number
5 associated with the first subscriber; and
6 wherein the second voice dialing record further
7 includes:
8 a second mobile telephone number associated
9 with the second subscriber.

1 38. The digital data storage media of claim 31, wherein
2 the first voice dialing record further includes:

3 a mobile telephone number associated with the
4 first subscriber.